

**Response to Dr. Heye R. Bogena on the manuscript  
"Calibration of a large-scale hydrological model using satellite-based soil  
moisture and evapotranspiration products"**

**Patricia López López, Edwin H. Sutanudjaja, Jaap Schellekens, Geert  
Sterk and Marc F. P. Bierkens**

The authors would like to thank the reviewer for his technical comments on the manuscript. We have addressed them and modified the manuscript accordingly.

**Comment 1:**

*P2 L13-15: The format of this enumeration is inappropriate. Please reformulate.*

**Answer:**

We will modify the enumeration of examples of hydro-meteorological datasets t as follows:

P2L13-15: "... hydro-meteorological datasets at finer spatial and temporal resolutions: precipitation (Joyce et al., 2004; Huffman et al., 2007), soil moisture (Njoku et al., 2003; Dorigo et al., 2015), total water storage (Tapley et al., 2004), evapotranspiration (Bastiaanssen et al., 1998; Nishida, 2003; Miralles et al., 2011b), etc. ..."

**Comment 2:**

*P2 L18-19: Inappropriate use of hyphens.*

**Answer:**

We will delete the hyphens and modify the manuscript as follows:

P2L18-19: "... and to improve streamflow model estimates through assimilation (Parajka et al., 2006; Roy et al., 2010; Brocca et al., 2012; Thirel et al., 2013; López López et al., 2016) and/or calibration techniques or a-priori determination of model parameters (Jacobs et al., 2003; Beck et al., 2009). Calibration. ..."

**Comments 3 and 4:**

*P3 L14-15: Web links should not be presented within the main text. Please properly cite within the reference list and indicate the last date of access.*

*P4 L23: Web links should not be presented within the main text. Please properly cite within the reference list and indicate the last date of access.*

**Answer:**

We will delete the web links in the manuscript and we will include the correct reference in References section.

**Comment 5:**

*P17 L12: The sentence is incomplete. Please reformulate.*

**Answer:**

We will reformulate the sentence and we will also correct the enumeration of the lines in the manuscript.